

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 77		3. EFFECTIVE DATE See Block 16C	REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office -OP-OS - ODIN Kennedy Space Center, FL 32899		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) OAO Corporation 7375 Executive Place Seabrook, MD 20706			(x)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. NAS5-98144/NNK05OA12D	
				10B. DATED (SEE ITEM 13) December 1, 2004	
CODE		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ found. Is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning ____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or
(c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

No Change

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS; IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

XX C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
FAR CLAUSE 52.212-4 CONTRACT TERMS AND CONDITIONS - COMMERCIAL ITEMS, (C) CHANGES

D. OTHER (Specify type of modification and authority)


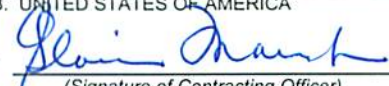
E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

STENNIS SPACE CENTER - ODIN SERVICES

Subject: Incorporate Quarter 31 Seat Certifications

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Martha E. Knox Contracts Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Gloria Marsh Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 7/17/06	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 7/19/06

1. The purpose of this modification is to incorporate Attachment K, Listing of Accepted Seat Certifications, and the accepted systems for Quarter 31 as defined in paragraphs 4 and 5.
2. The listing of accepted seat certifications is hereby incorporated into Attachment K of the Delivery Order. The slip page for Delivery Order page K-3 is attached to this Modification.
3. Part VIII, List of Documents, Exhibits, and Other Attachments, is revised to reflect the change in Attachment K. The slip page for Delivery Order page VIII-1 is attached to this Modification.
4. The following Qtr 31 PC and MAC seat configurations are hereby accepted and incorporated into Attachment K of the Delivery Order.

Quarter	Seat	Platform	System Configuration	Date Certified	Rating
Q31(July 2006)	GP1 - Entry	PC-Desktop	HP DC7600, PD, 3.0GHz	July 5, 2006	80.7%
Q31(July 2006)	GP2 - Mid Range	PC-Desktop	HP DC7600, PD, 3.2GHz	July 5, 2006	81.6%
Q31(July 2006)	SE1/SE2 High End	PC-Desktop	HP DC7600, 3.40GHz	July 5, 2006	89.5%
Q31(July 2006)	SE2 - Premium	PC-Desktop	HP XW6200, 3.60GHz	July 5, 2006	97.2%
Q31(July 2006)	GP3 - Entry	PC-Laptop	HP NC6430, 2.0GHz	July 5, 2006	96.2%
Q31(July 2006)	GP3 - Mid Range	PC-Laptop	HP NC8430, 1.83GHz	July 5, 2006	90.7%
Q31(July 2006)	GP3 - High End	PC-Laptop	HP NC8430, 2.0GHz	July 5, 2006	100%
Q31(July 2006)	GP3 - Lightweight*	PC-Laptop	HP NC4400, 2.0GHz	July 5, 2006	94.7%
Q31(July 2006)	GP3 - Tablet	PC-Laptop	HP TC4400, 2.0GHz*	July 5, 2006	94.5%
Q31(July 2006)	GP2 - Mid Range	MAC-Desktop	Apple iMac, 1.83GHz	July 5, 2006	100%
Q31(July 2006)	SE1/SE2 - High End	MAC-Desktop	Apple PowerMac G5, 2.0GHz	July 5, 2006	100%
Q31(July 2006)	SE2 - Premium	MAC-Desktop	Apple PowerBook G5 Quad, 2.5GHz	July 5, 2006	100%
Q31(July 2006)	GP3 - Mid Range	MAC-Laptop	Apple MacBook Pro, 2.1GHz	July 5, 2006	100%

* Approval is granted for the Waiver Request dated July 7, 2006 from OAO for the GP3-Lightweight Laptop, HP NC4400.

Approval is also granted for the Waiver Request dated July 7, 2006 from OAO for the Apple GP1 Entry MAC-Desktop system. At such time that Apple offers a system configured as a GP1, OAO will have performance testing completed by Alterion and the system will be included in future submissions.

5. Copies of the signed certifications for Quarter 31 PC and MAC seats are attached (26 pages).
6. All other terms and conditions of the Delivery Order remain unchanged and in full force and effect.

PART VIII
LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

Attachment Number	Title	Dated	Number of pages
A	PRICE LIST FOR YEARS 1, 2, 3	Dec. 1, 2004	82
B	SUMMARY OF EXPANDED MA2 MAINTENANCE SUPPORT	Feb.27, 2001	1
C	DATA REQUIREMENT DESCRIPTIONS	Dec. 1, 2004	20
D	SOFTWARE TRIAGE LIST (RESERVED)	N/A	N/A
E	REVISED SEAT AND SERVICE LEVEL TABLE E	Dec. 1, 2004	17
F	LIST OF INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY	Nov. 17, 2005	4
G	LIST OF GOVERNMENT-FURNISHED PROPERTY (RESERVED)	N/A	N/A
H	LISTING OF PRINTERS SUPPORTED AS SHARED PERIPHERALS	Dec 2005	10
I	PRICE LIST FOR TONER REIMBURSEMENT	Dec 2005	4
J	APPROPRIATION AND ACCOUNTING DATA	Dec, 1, 2004	1
K	LISTING OF ACCEPTED SEAT CERTIFICATIONS	July 7, 2006	3

ATTACHMENT K – LISTING OF ACCEPTED SEAT CERTIFICATIONS

Reference: Part III, Section B, Item 8, SEMI-ANNUAL ATTACHMENT R CONFIGURATION PROCESS

The systems that have been certified and accepted by the Government are set forth below:

Quarter	Seat	Platform	System Configuration	Date Certified	Rating
Q30 (Apr 2006)	SE2 - Premium	PC-Desktop	HP XW6200, P4, 3.4 GHz	Apr 3, 2006	91.8%
Q30 (Apr 2006)	GP3 – Entry	PC-Laptop	HP NC6230, 1.73 GHz	Apr 3, 2006	78.3%
Q30 (Apr 2006)	GP3 - Mid Range	PC-Laptop	HP NC8230, 1.86 GHz	Apr 3, 2006	88.1%
Q30 (Apr 2006)	GP3 – High End	PC-Laptop	HP NC8230, 2.0 GHz	Apr 3, 2006	98.6%
Q30 (Apr 2006)	GP3 – Lightweight	PC-Laptop	HP NC4200, 1.86 GHz	Apr 3, 2006	88.4%
Q30 (Apr 2006)	GP3 – Tablet	PC-Laptop	HP TC4200, 2.0GHz*	Apr 3, 2006	86.5%
Q30 (Apr 2006)	GP2 - Mid Range	MAC-Desktop	Apple MacBook Pro, 1.83 GHz	Apr 3, 2006	100%
Q30 (Apr 2006)	SE1/SE2 - High End	MAC-Desktop	Apple PowerMac G5, 2.0 GHz	Apr 3, 2006	100%
Q30 (Apr 2006)	SE2 – Premium	MAC-Desktop	Apple PowerBook G5 Quad, 2.5 GHz	Apr 3, 2006	100%
Q30 (Apr 2006)	GP3 - Mid Range	MAC-Laptop	Apple MacBook Pro G4, 1.83 GHz	Apr 3, 2006	100%
Q31(July 2006)	GP1 - Entry	PC-Desktop	HP DC7600, PD, 3.0GHz	July 5, 2006	80.7%
Q31(July 2006)	GP2 - Mid Range	PC-Desktop	HP DC7600, PD, 3.2GHz	July 5, 2006	81.6%
Q31(July 2006)	SE1/SE2 High End	PC-Desktop	HP DC7600, 3.40GHz	July 5, 2006	89.5%
Q31(July 2006)	SE2 – Premium	PC-Desktop	HP XW6200, 3.60GHz	July 5, 2006	97.2%
Q31(July 2006)	GP3 – Entry	PC-Laptop	HP NC6430, 2.0GHz	July 5, 2006	96.2%
Q31(July 2006)	GP3 - Mid Range	PC-Laptop	HP NC8430, 1.83GHz	July 5, 2006	90.7%
Q31(July 2006)	GP3 – High End	PC-Laptop	HP NC8430, 2.0GHz	July 5, 2006	100%
Q31(July 2006)	GP3 – Lightweight*	PC-Laptop	HP NC4400, 2.0GHz	July 5, 2006	94.7%
Q31(July 2006)	GP3 – Tablet	PC-Laptop	HP TC4400, 2.0GHz*	July 5, 2006	94.5%
Q31(July 2006)	GP2 - Mid Range	MAC-Desktop	Apple iMac, 1.83GHz	July 5, 2006	100%
Q31(July 2006)	SE1/SE2 - High End	MAC-Desktop	Apple PowerMac G5, 2.0GHz	July 5, 2006	100%
Q31(July 2006)	SE2 – Premium	MAC-Desktop	Apple PowerBook G5 Quad, 2.5GHz	July 5, 2006	100%
Q31(July 2006)	GP3 - Mid Range	MAC-Laptop	Apple MacBook Pro, 2.1GHz	July 5, 2006	100%

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Entry Level
Alterion Performance Profile Ranking: 80.7%
Alterion ID: H060534002DT_30

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: HP DC7600 PD 3.0Ghz
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Desktop System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP Compaq Business Desktop DC7600 Series	17.65 x 6.6 x 17.8 in
Case Type	HP	Convertible Minitower	
Motherboard	Intel	945G chipset	
BIOS Version/Date	HP		
CPU Type & speed	Intel	3.0Ghz Intel Pentium D	with 800-MHz Front Side Bus, 2.0MB L2 cache with HyperThread
CPU Slots Used / Available	HP	1/0	
Bus slots, # and type	HP	PCI PCI-E 1x PCI-E 16x	2 full-height 1 full height 1 full height
AGP bus speed	HP	N/A	
Video Display Adapter	ATI	Radeon X300 SE	
Video Display Driver (version & date)	ATI	N/A	
Hard Disk Size Seek Time Spindle RPM	HP	Serial ATA	80-GB 7200 rpm Average 8.5 ms
HD Controller (If RAID compatible list types)	HP	Serial ATA	
CD-ROM, DVD ,CDRW	HP	DVD/CDRW Combo	48X/32X/48X
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth	HP	Broadcom 5751 PCI-E LAN Controller Broadcom NetXtreme Gigabit ethernet for HP	10/100/1000 Mbps
Ports and Interfaces Parallel Serial USB Firewire	HP		1 Parallel 1 Serial 8 USB 2.0,(2 front, 6 rear) 1394 Firewire (option via PCI)
USB Memory Key	HP	USB	128mb
Keyboard	HP	PS/2 Keyboard	
Mouse	HP	PS/2 Mouse	2-Button w/Scroll
Power Supply	HP		365W ATX Power Supply
Sound Card Full or Half Duplex	HP	SoundMax Digital AC97 integrated audio	
Speaker(s)	Generic	External	2 Speakers
Headset/Microphone	HP	Audio In, Audio Out / Headphone, Mic In	

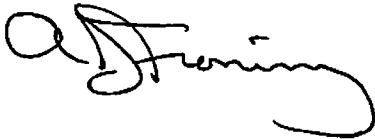
ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Monitor – CRT / Flat Panel	HP	L1706FP	17" 264 mm Pixel pitch 17" Viewable 1280 x 1024 @ 60 Hz and 75 Hz

Section 1.01 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP/ 4	1	1.0GB	533Mhz	DDR SDRAM
Cache		1	2.0MB	800Mhz	Level 2
Video RAM	ATI / 0		128MB	266 MHz	PCI-E

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Desktop-Mid Range
Alterion Performance Profile Ranking: 81.6%
Alterion ID: H060524002DT_32

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: HP DC7600 PD 3.2Ghz
Date of Alterion Certification: 5 July 2005
Certification Expires: 31 October 2006

Desktop System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP Compaq Business Desktop DC7600 Series	17.65 x 6.6 x 17.8 in
Case Type	HP	Convertible Minitower	
Motherboard	Intel	945G chipset	
BIOS Version/Date	HP		
CPU Type & speed	Intel	3.2Ghz Intel Pentium D	with 800-MHz Front Side Bus, 2.0MB L2 cache with HyperThread
CPU Slots Used/Available	HP	1/0	
Bus slots, # and type	HP	PCI PCI-E 1x PCI-E 16x	2 full-height 1 full height 1 full height
AGP bus speed	HP	N/A	
Video Display Adapter	ATI	Radeon X300 SE	
Video Display Driver (version & date)	ATI	N/A	
Hard Disk Size Seek Time Spindle RPM	HP	Serial ATA	80-GB 7200 rpm Average 8.5 ms
HD Controller (If RAID compatible list types)	HP	Serial ATA	
CD-ROM, DVD ,CDRW	HP	DVD/CDRW Combo	48X/32X/48X
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth	HP	Broadcom 5751 PCI-E LAN Controller Broadcom NetXtreme Gigabit ethernet for HP	10/100/1000 Mbps
Ports and Interfaces Parallel Serial USB Firewire	HP		1 Parallel 1 Serial 8 USB 2.0,(2 front, 6 rear) 1394 Firewire (option via PCI)
USB Memory Key	HP	USB	128mb
Keyboard	HP	PS/2 Keyboard	
Mouse	HP	PS/2 Mouse	2-Button w/Scroll
Power Supply	HP		365W ATX Power Supply
Sound Card Full or Half Duplex	HP	SoundMax Digital AC97 integrated audio	
Speaker(s)	Generic	External	2 Speakers

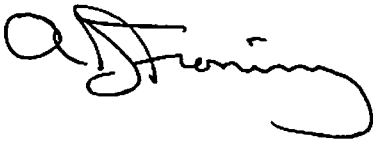
ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Headset/Microphone	HP	Audio In, Audio Out / Headphone, Mic In	
Monitor – CRT / Flat Panel	HP	L1706FP	17" 264 mm Pixel pitch 17" Viewable 1280 x 1024 @ 60 Hz and 75 Hz

Section 1.02 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP/ 4	1	1.0GB	533Mhz	DDR SDRAM
Cache		1	2.0MB	800Mhz	Level 2
Video RAM	ATI/0		128MB	266 MHz	PCI-E

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Desktop-High End
Alterion Performance Profile Ranking: 89.5%
Alterion ID: H060622001DT

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: HP DC7600 PD 3.4Ghz
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Desktop System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP Compaq Business Desktop DC7600 Series	17.65 x 6.6 x 17.8 in
Case Type	HP	Convertible Minitower	
Motherboard	Intel	945G chipset	
BIOS Version/Date	HP		
CPU Type & speed	Intel	3.4Ghz Intel Pentium D	with 800-MHz Front Side Bus, 2.0MB L2 cache with HyperThread
CPU Slots Used/Available	HP	1/0	
Bus slots, # and type	HP	PCI PCI-E 1x PCI-E 16x	2 full-height 1 full height 1 full height
AGP bus speed	HP	N/A	
Video Display Adapter	ATI	Radeon X300 SE	
Video Display Driver (version & date)	ATI	N/A	
Hard Disk Size Seek Time Spindle RPM	HP	Serial ATA	80-GB 7200 rpm Average 8.5 ms
HD Controller (If RAID compatible list types)	HP	Serial ATA	
CD-ROM, DVD ,CDRW	HP	DVD/CDRW Combo	48X/32X/48X
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth	HP	Broadcom 5751 PCI-E LAN Controller Broadcom NetXtreme Gigabit ethernet for HP	10/100/1000 Mbps
Ports and Interfaces Parallel Serial USB Firewire	HP		1 Parallel 1 Serial 8 USB 2.0,(2 front, 6 rear) 1394 Firewire (option via PCI)
USB Memory Key	HP	USB	128mb
Keyboard	HP	PS/2 Keyboard	
Mouse	HP	PS/2 Mouse	2-Button w/Scroll
Power Supply	HP		365W ATX Power Supply
Sound Card Full or Half Duplex	HP	SoundMax Digital AC97 integrated audio	
Speaker(s)	Generic	External	2 Speakers
Headset/Microphone	HP	Audio In, Audio Out / Headphone, Mic In	

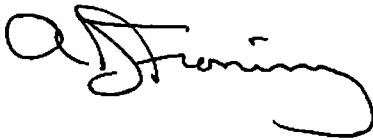
ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Monitor – CRT / Flat Panel	HP	L1706FP	17" 264 mm Pixel pitch 17" Viewable 1280 x 1024 @ 60 Hz and 75 Hz

Section 1.03 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP/ 4	1	1.0GB	533Mhz	DDR SDRAM
Cache		1	2.0MB	800Mhz	Level 2
Video RAM	ATI / 0		128MB	266 MHz	PCI-E

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Desktop-Premium
Alterion Performance Profile Ranking: 97.2%
Alterion ID: H051202006WS

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: HP XW6200
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Desktop System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP Workstation xw6200	17.3 x 6.5 X 17.3 in
Case Type	HP	Tower	
Motherboard	HP	E7525 chipset	800MHz Front Side bus
BIOS Version/Date	HP	08/01/04 Rev 1.04A	
CPU Type & speed	Intel	Dual capable Intel® Xeon™	3.60GHz *
CPU Slots Used /Available	HP	1 used,1 available	
Bus slots, # and type	HP	Four PCI slots 1 PCI Express X16	
PCI-E bus speed	HP	PCI Express	16X
Video Display Adapter	ATI	FireGL V3100	VGA / DVI dual monitor capable 16.7M colors
Video Display Driver (version & date)	HP	<u>08/16/04 Rev. 61.71A</u>	
Hard Disk Size Access Time Spindle RPM	HP	Serial ATA	160GB 7200 RPM
HD Controller (If RAID compatible list types)	HP	Integrated Serial ATA	SATA/150
CD-ROM and/or DVD	HP	Internal DVD/CDRW	48X/32X/48X/16X
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth	HP	Integrated Broadcom 5782 Gb (10/100/1000) Network Interface	10/100/1000Gb
Ports and Interfaces Parallel Serial USB Firewire	HP	1 parallel port 1 serial port 6 <u>USB 2.0 ports</u>	
USB Memory Key	HP	USB 2.0	128MB
Keyboard	HP	Entry QuietKey™ keyboard	104 Keys
Mouse	HP	Optical USB 2-button scroll	
Power Supply	HP		500W
Sound Card Full or Half Duplex	HP	Integrated AC'97 Full- Duplex Audio	16-bit / 48 kHz
Speaker(s)	HP	Dual Speakers /W Sub	31 watts

ODIN Attachment R

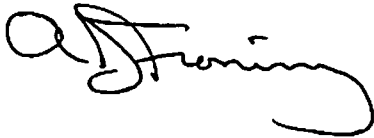
Item	Mfg /Type	Number/version	Size/ Speed
Headset/Microphone	HP	1/8-inch Audio headphone miniature audio jack 1/8-inch Audio microphone- in miniature audio jack	
Monitor – CRT /	HP	L1906FP	19" .294 mm Pixel pitch 19" Viewable 1280 x 1024 @ 60 Hz and 75 Hz

Section 1.04 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP / 4	2	2.0GB	400Mhz	DDR SDRAM
Cache	HP / 0	1	2.0MB		Level 2
Video RAM	ATI / 0	1	128MB		DDR SDRAM

* Tested with 2 processors

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Laptop-Entry Level
Alterion Performance Profile Ranking: 96.2%
Alterion ID: H060621002NB

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: HP NC6430
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Notebook System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP NC6430	1.1x13.0x9.4in (hwxwd).
Weight (without AC adapter)	HP		Laptop 5.0 lbs.
Motherboard	HP	945GM	667mhz FSB
BIOS Version/Date	HP		
CPU Type & speed	HP	Intel Core Duo T2500	2.0GHz
LCD Screen Size Standard Resolution Response Time	HP	active matrix (TFT)	14.1" WXGA 1280 X 800 pixels, 16.8 million colors
Video Display Adapter	ATI	ATI Mobility RadeonX1300 Graphics Controller	PCI-E
Video Display Driver (version & date)	ATI		
Hard Disk Size Access Time Spindle RPM	HP	SATA 5400 RPM	60GB
CD-ROM and/or DVD	HP	Internal DVD/CDRW	24x/8x/24x/24x
Network Interface: Ethernet (wired) Wireless Bluetooth Modem	HP	RJ45 Intel PRO Wireless 34959 WLAN (802.11b/g) mini- PCI RJ11	<u>10/100/1000 Ethernet</u> LAN 54Mbps <u>56K</u> V.92 modem
Ports and Interfaces Parallel Serial Firewire Infrared	HP	3 – USB 2.0 Compliant 1- Infrared	IrDA Standards 1.1 (Fast IR) and 1.0 (Slow IR)
USB Memory Key	HP	USB 2.0	128MB
Keyboard	HP	102 key U.S. Layout	
Mouse/Integrated pointer	HP	DualPoint pointing device (both Touch Pad & Track Stick)	
Power Supply	HP		65-watt a/c adapter

ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Sound Card Full or Half Duplex	HP	ADI High Definition CODEC	16 Bit Sound Blaster Pro Compatible
Speaker(s)	HP	Internal speakers: (Two) 4-ohm	2-watts
Headset/Microphone	HP	microphone-in-jack; stereo headphones/speakers jack	
Carry Case	HP	Nylon carrying Case	

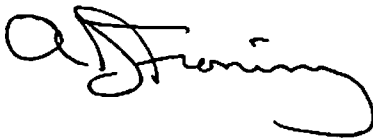
Section 1.05

Section 1.06 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP / 2	1	1.0GB	533Mhz	SDRAM
Cache	HP / 0	1	2.0MB		L2 ECC
Video RAM	ATI / 0	1	128MB*		SDRAM

*Tested with 512MB RAM.

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Quarter: Q31-July 06
 Platform: PC-Laptop Mid Range
 Alterion Performance Profile Ranking: 90.7%
 Alterion ID: H060602001NB

Prime Contract Number: NAS5-98144
 System: HP NC8430
 Date of Alterion Certification: 5 July 2006
 Certification Expires: 31 October 2006

Notebook System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP NC8430	1.1x14.1x10.2in (hwxwd).
Weight (without AC adapter)	HP		Laptop 5.9 lbs. with Multi-Bay device
Motherboard	HP	945PM	667mhz
BIOS Version/Date	HP		
CPU Type & speed	HP	Intel Core Duo T2400	1.83GHz
LCD Screen Size Standard Resolution Response Time	HP	active matrix (TFT)	15.4" WXGA 1280 X 800, 16.8 million colors
Video Display Adapter	ATI	ATI Mobility Radeon X1600Graphics Controller	PCI-E
Video Display Driver (version & date)	ATI		
Hard Disk Size Access Time Spindle RPM	HP	SATA 5400 RPM	80GB
CD-ROM and/or DVD	HP	Internal DVD/CDRW	24x/8x/24x/24x
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth Modem	HP	RJ45 Intel PRO Wireless 3495 WLAN (802.11a/b/g) mini-PCI RJ11	10/100/1000 Ethernet LAN 54Mbps 56K V.92 modem
Ports and Interfaces Parallel Serial USB Firewire Infrared	HP	1 – 9 pin Serial 3 – USB 2.0 Compliant 1 – IEEE 1394 4 pin 1- Infrared	IrDA Standards 1.1 (Fast IR) and 1.0 (Slow IR)
USB Memory Key	HP	USB 2.0	128MB
Keyboard	HP	102 key U.S. Layout	
Mouse/Integrated pointer	HP	DualPoint pointing device (both Touch Pad & Track Stick)	
Power Supply	HP		90-watt a/c adapter

ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Sound Card Full or Half Duplex	HP	ADI High Definition CODEC	16 Bit Sound Blaster Pro Compatible
Speaker(s)	HP	Internal speakers: (Two) 4-ohm	2-watts
Headset/Microphone	HP	microphone-in-jack; stereo headphones/speakers jack	
Carry Case	HP	Nylon carrying Case	

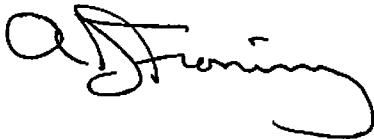
Section 1.07

Section 1.08 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP / 2	1	1.0GB*	533Mhz	SDRAM
Cache	HP / 0	1	2.0MB		L2 ECC
Video RAM	ATI / 0	1	256MB		SDRAM

*Tested with 512MB RAM.

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Laptop High End
Alterion Performance Profile Ranking: 100%
Alterion ID: H060602002NB

Prime: OAO Corporation
Prime Contract Number:
System: HP NC8430
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Notebook System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP NC8430	1.1x14.1x10.2in (hwxwd).
Weight (without AC adapter)	HP		Laptop 5.9 lbs. with Multi-Bay device
Motherboard	HP	945PM	667mhz
BIOS Version/Date	HP		
CPU Type & speed	HP	Intel Core Duo T2500	2.0GHz
LCD Screen Size Standard Resolution Response Time	HP	active matrix (TFT)	15.4" WXGA 1280 X 800, 16.8 million colors
Video Display Adapter	ATI	ATI Mobility Radeon X1600Graphics Controller	PCI-E
Video Display Driver (version & date)	ATI		
Hard Disk Size Access Time Spindle RPM	HP	SATA 5400 RPM	80GB
CD-ROM and/or DVD	HP	Internal DVD/CDRW	24x/8x/24x/24x
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth Modem	HP	RJ45 Intel PRO Wireless 3495 WLAN (802.11a/b/g) mini-PCI RJ11	10/100/1000 Ethernet LAN 54Mbps <u>56K</u> V.92 modem
Ports and Interfaces Parallel Serial USB Firewire Infrared	HP	1 - 9 pin Serial 3 - USB 2.0 Compliant 1 - IEEE 1394 4 pin 1- Infrared	IrDA Standards 1.1 (Fast IR) and 1.0 (Slow IR)
USB Memory Key	HP	USB 2.0	128MB
Keyboard	HP	102 key U.S. Layout	
Mouse/Integrated pointer	HP	DualPoint pointing device (both Touch Pad & Track Stick)	
Power Supply	HP		90-watt a/c adapter

ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Sound Card Full or Half Duplex	HP	ADI High Definition CODEC	16 Bit Sound Blaster Pro Compatible
Speaker(s)	HP	Internal speakers: (Two) 4-ohm	2-watts
Headset/Microphone	HP	microphone-in-jack; stereo headphones/speakers jack	
Carry Case	HP	Nylon carrying Case	

Section 1.09

Section 1.10 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP / 2	1	1.0GB*	533Mhz	SDRAM
Cache	HP / 0	1	2.0MB		L2 ECC
Video RAM	ATI / 0	1	256MB		SDRAM

*Tested with 512MB RAM.

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Laptop-Lightweight
Alterion Performance Profile Ranking: 94.7%
Alterion ID: H060627001LW

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: HP NC4400
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Notebook System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	HP NC4400	1.19" x 11.22" x 9.25"
Weight (without AC adapter)	HP		Laptop 3.9 lbs.
Motherboard	HP	945GM	667mhz
BIOS Version/Date	HP		
CPU Type & speed	HP	Intel Core Duo T2500	2.0GHz
LCD Screen Size Standard Resolution Response Time	HP	active matrix (TFT)	12.1" XGA 1280 X 800 pixels, 16.8 million colors
Video Display Adapter	Intel	Intel Graphics Media Accelerator 950	
Video Display Driver (version & date)	Intel		
Hard Disk Size Access Time Spindle RPM	HP	SATA 5400 RPM	60GB
CD-ROM and/or DVD	HP	Internal DVD/CDRW	24x/8x/24x/24x
Network Interface: Ethernet (wired) Wireless Bluetooth Modem	HP	RJ45 Intel PRO Wireless 3945 WLAN (802.11a/b/g) mini-PCI RJ11	10/100/1000 Ethernet LAN 54Mbps at 2.4GHz 56K V.92 modem
Ports and Interfaces USB Infrared	HP	2 – USB 2.0 Compliant 1- Infrared	IrDA Standards 1.1 (Fast IR) and 1.0 (Slow IR)
USB Memory Key	HP	USB 2.0	128MB
Keyboard	HP	102 key U.S. Layout	
Mouse/Integrated pointer	HP	DualPoint pointing device (both Touch Pad & Track Stick)	
Power Supply	HP		65-watt a/c adapter
Sound Card Full or Half Duplex	HP	ADI High Definition CODEC	16 Bit Sound Blaster Pro Compatible
Speaker(s)	HP	Internal speaker: 4-ohm	2-watts

ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Headset/Microphone	HP	microphone-in-jack; stereo headphones/speakers jack	
Carry Case	HP	Nylon carrying Case	

Section 1.11

Section 1.12

Section 1.13

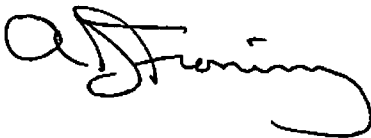
Section 1.14

Section 1.15 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP / 2	1	1.0GB*	533Mhz	SDRAM
Cache	HP / 0	1	2.0MB		L2 ECC
Video RAM	Intel / 0	1	128 MB		SDRAM

*Tested with 512MB RAM.

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA-SOMD
Quarter: Q31-July 06
Platform: PC-Laptop-Tablet
Alterion Performance Profile Ranking: 94.5%
Alterion ID: H060626001LW

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: HP TC4400
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Notebook System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	HP	TC4400	WxDxH 11.22" x 9.25" x 1.35"
Weight (with AC adapter)	HP		Tablet 4.6 lbs. With Adapter 5.22
Motherboard	HP	Intel 945GM Chipset	667Mhz Bus
BIOS Version/Date	HP		
CPU Type & speed	HP	Intel Core Duo T2500	2.0GHz
LCD Screen Size Standard Resolution Response Time	HP		12.1" XGA 1024 X 768 16M colors
Video Display Adapter	HP	Intel Media Accelerator 950	
Hard Disk Size Access Time Spindle RPM	HP	SATA 5400 RPM	80GB
CD-ROM and/or DVD	HP	External DVD/CDRW	USB 2.0
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth Modem	HP	RJ45 Intel PRO Wireless 3945 WLAN (802.11a/b/g) mini-PCI RJ11	10/100/1000 Ethernet LAN 54Mbps 56K V.92 modem
Ports and Interfaces Parallel Serial USB Firewire Infrared	HP	2 – USB 2.0 Compliant 1- Infrared	IrDA Standards 1.1 (Fast IR) and 1.0 (Slow IR)
USB Memory Key	HP	USB 2.0	128MB
Keyboard	HP	102 key U.S. Layout	
Mouse/Integrated pointer	HP	Digitizer Tablet Pen Touch pad, and Point Stick	
Power Supply	HP		65-watt a/c adapter
Sound Card Full or Half Duplex	HP	ADI High Definition CODEC	16 Bit Sound Blaster Pro Compatible
Speaker(s)	HP	Internal speakers: (Two) 4-ohm	

ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Headset/Microphone	HP	microphone-in-jack; stereo headphones/speakers jack	
Carry Case	HP	Nylon carrying Case	

Section 1.16

Section 1.17

Section 1.18

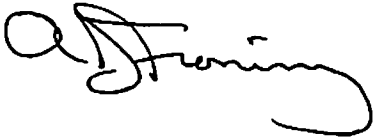
Section 1.19

Section 1.20

Section 1.21 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	HP / 2	1	1.0GB	533Mhz	SDRAM
Cache	HP / 0	1	2.0MB	533Mhz	L2 ECC
Video RAM	Intel / 0	1	128MB		SDRAM

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Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA – SOMD
Quarter: Q31-July 06
Platform: Mac-Desktop – Mid Range
Alterion Performance Profile Ranking: 100%
Alterion ID: A060321001DT

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: iMac Intel Duo
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Desktop System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	Apple	MA199LL	Height: 16.9 inches Width: 16.8 inches Depth: 6.8 inches
Case Type	Apple	All-In-One	
Motherboard	Apple	1.83 Core Duo	667Mhz Bus
BIOS Version/Date	Apple		
CPU Type & speed	Apple	Intel 1.83 Core Duo	1.83Ghz
CPU Slots Used/Available	Apple	1 used / 0 available	
Bus slots, # and type	Apple	0	
AGP bus speed	Apple		
Video Display Adapter	Apple	ATI Radeon X1600	1920 by 1200 pixels
Video Display Driver (version & date)	Apple	N/A	
Hard Disk Size Access Time Spindle RPM	Apple	SATA	160GB 7200 RPM
HD Controller (If RAID compatible list types)	Apple	SATA	
CD-ROM and/or DVD	Apple	DVD/CDRW SuperDrive	writes DVD-R discs at 4x speed, reads DVDs at 8x speed, writes CD-R discs at 16x speed, writes CD-RW discs at 8x speed, reads CDs at 32x speed
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth	Apple	Built-in 10/100/1000BASE-T Ethernet (RJ-45 connector) AirPort Extreme	10/100/1000Mbps 54-Mbps 802.11g
Ports and Interfaces Parallel Serial USB Firewire	Apple	Total of five 3-USB 2.0 ports: three on computer 2- 1.1USB on keyboard 2 FireWire 400 ports; 8 watts shared	12Mbps
USB Memory Key	Generic	USB 2.0	128MB
Keyboard	Apple	Apple Pro Keyboard	108 keys (on the ANSI versions)
Mouse	Apple	Apple Pro Mouse	1 button
Power Supply	Apple		160W
Sound Card Full or Half Duplex	Apple	Internal 12-watt digital amplifier	12-watt
Speaker(s)	Apple	Integrated speaker	1

ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Headset/Microphone	Apple	Headphone jack Built-in microphone	
Monitor – CRT / LCD	Apple	Built-in 17-inch TFT active-matrix liquid crystal	17" Viewable

Section 1.22 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	Apple / 2	2	1.0GB	667Mhz	DDR2
Cache	Apple / 1	1	2.0MB	667Mhz	L2
Video RAM	Apple / 1	1	128MB		GDDR3

ODIN Attachment R

Contractor: NASA – SOMD
Quarter: Q31-July 06
Platform: Mac-Desktop – High End
Alterion Performance Profile Ranking: 100%
A051212004DP

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: PowerMac G5
Date of Alterion Certification: 5 July 2006 **Alterion ID:**
Certification Expires: 31 October 2006

Desktop System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	Apple G5	<u>M9590LL/A</u>	Height: 20.1 inches (51.1 cm) Width: 8.1 inches (20.6 cm) Depth: 18.7 inches (47.5 cm)
Case Type	Apple	Tower	
Motherboard	Apple	Dual Core 2.0GHz PowerPC G5	1.0 Ghz Front Side Bus per Processor
BIOS Version/Date	Apple	N/A	
CPU Type & speed	Apple	2.0GHz PowerPC G5	2.0Ghz
CPU Slots Used/Available	Apple	2 in use / 0 available	
Bus slots, # and type	Apple	Three open PCI Express expansion slots	
AGP bus speed			
Video Display Adapter	Apple	NVIDIA GeForce 6600 LE	1440 by 900 pixels
Video Display Driver (version & date)	Apple	N/A	
Hard Disk Size Access Time Spindle RPM	Apple	Serial ATA	160GB 7200 RPM
HD Controller (If RAID compatible list types)	Apple	Serial ATA	150-MBps data throughput
CD-ROM and/or DVD	Apple	DVD/CDRW SuperDrive	16X Super Drive
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth	Apple	Built-in 10/100/1000BASE-T Ethernet and 56K V.92 modem	10/100/1000Mbps
Ports and Interfaces Parallel Serial USB Firewire	Apple	Four USB 2.0 ports (on one front panel), two USB 1.1 ports on keyboard One FireWire 800 port and two FireWire 400 ports	12Mbps
USB Memory Key	Generic	USB 2.0	128MB
Keyboard	Apple	Apple Pro Keyboard	108 keys (on the ANSI versions)
Mouse	Apple	Apple Pro Mouse	1 button
Power Supply	Apple		Maximum current: 6.5A (low- voltage range) or 7.5A (high- voltage range)

ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Sound Card Full or Half Duplex	Apple	Optical digital audio in, optical digital audio out, analog audio in, analog audio out,	
Speaker(s)	Generic	Generic	2
Headset/Microphone	Apple	Front headphone minijack and speaker Stereo audio in and out minijacks	
Monitor – CRT / LCD	HP	L1706 17" Flat Panel	17" 264 mm Pixel pitch 17" Viewable 1280 x 1024 @ 60 Hz and 75 Hz

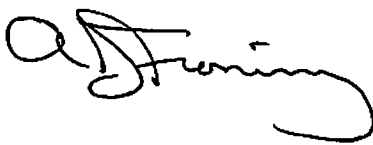
Section 1.23

Section 1.24

Section 1.25 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	Apple / 8	4	1.0GB	533Mhz	SDRAM
Cache	Apple / 1	1	1.0MB	533Mhz	
Video RAM	Apple / 1	1	128MB		SDRAM

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA – SOMD
Quarter: Q31-July 06
Platform: Mac-Desktop – Premium
Alterion Performance Profile Ranking: 100%
Alterion ID: A051212003DP

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: PowerMac G5 Quad
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Desktop System Configuration

Item	Mfg /Type	Number/version	Size/ Speed
System Dimensions	Apple G5	<u>M9592LL/A</u>	Height: 20.1 inches (51.1 cm) Width: 8.1 inches (20.6 cm) Depth: 18.7 inches (47.5 cm)
Case Type	Apple	Tower	
Motherboard	Apple	Quad 2.5GHz PowerPC G5	1.25Ghz Front Side Bus per Processor
BIOS Version/Date	Apple	N/A	
CPU Type & speed	Apple	Quad 2.5GHz PowerPC G5	Quad 2.5Ghz
CPU Slots Used/Available	Apple	2 used / 0 available	
Bus slots, # and type	Apple	Three open full-length slots	
Video Display Adapter	Apple	NVIDIA GeForce 6600	1440 by 900 pixels
Video Display Driver (version & date)	Apple	N/A	
Hard Disk Size Access Time Spindle RPM	Apple	Serial ATA	250GB 7200 RPM
HD Controller (If RAID compatible list types)	Apple	Serial ATA	150-MBps data throughput
CD-ROM and/or DVD	Apple	DVD/CDRW SuperDrive	writes DVD-R discs at 4x speed, reads DVDs at 8x speed, writes CD-R discs at 16x speed, writes CD-RW discs at 10x speed, reads CDs at 32x speed
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth	Apple	Built-in 10/100/1000BASE-T Ethernet	10/100/1000Mbps
Ports and Interfaces Parallel Serial USB Firewire	Apple	4 - USB 2.0 ports 2 – USB 1.1 ports One FireWire 800 port and two FireWire 400 ports	12Mbps
USB Memory Key	Generic	USB 2.0	128MB
Keyboard	Apple	Apple Pro Keyboard	108 keys (on the ANSI versions)
Mouse	Apple	Apple Pro Mouse	1 button

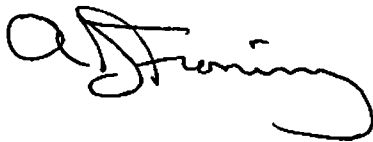
ODIN Attachment R

Item	Mfg /Type	Number/version	Size/ Speed
Power Supply	Apple		Maximum current: At least 10A (low-voltage range) or 5A (high-voltage range)
Sound Card Full or Half Duplex	Apple	Optical digital audio in, optical digital audio out, analog audio in, analog audio out,	
Speaker(s)	Apple	JBL CREATURE II ALUMINUM	
Headset/Microphone	Apple	Front headphone minijack and speaker Stereo audio in and out minijacks	
Monitor – CRT / LCD	Apple	20" Apple Cinema Display	1680 x 1050 pixels

Section 1.26 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	Apple / 8	2	1.0GB	533Mhz	SDRAM
Cache	Apple	1.0MB/CPU	4.0MB	533Mhz	
Video RAM	Apple / 1	1	256MB		SDRAM

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Andrew J Froning
Director of Operations

ODIN Attachment R

Contractor: NASA – SOMD
Quarter: Q31-July 06
Platform: Mac Laptop Mid Range
Alterion Performance Profile Ranking: 100%
Alterion ID: A062606002NB

Prime: OAO Corporation
Prime Contract Number: NAS5-98144
System: MacBook Pro 2.1Ghz
Date of Alterion Certification: 5 July 2006
Certification Expires: 31 October 2006

Notebook System Configuration

Item	Mfg /Type	Number/ Version	Size/ Speed
System Dimensions	Apple	<u>MA601LL</u>	Height: 1.0 inches Width: 14.1 inches Depth: 9.6 inches
Weight (with AC adapter)	Apple		Weight: 5.6 pounds with battery and optical drive installed
Motherboard	Apple	Front Side Bus	667 MHz
BIOS Version/Date	Apple		
CPU Type & speed	Apple	Intel Core Duo	2.1Ghz
LCD Screen Size Standard Resolution Response Time	Apple	15.4 inch (diagonal), 1440x900 resolution, TFT widescreen	
Video Display Adapter	Apple	ATI Mobility RadeonX1600	DVI
Video Display Driver (version & date)	Apple	N/A	
Hard Disk Size Access Time Spindle RPM	Apple	SATA	100GB 5400 RPM
CD-ROM and/or DVD	Apple	SuperDrive (DVD-R/CD- RW	4X Super Drive
Network Interface: Ethernet (wired) Ethernet Wireless Bluetooth Modem	Apple	10/100/1000 BASE-T 54-Mbps AirPort Card 56K V.92 modem	10/100/1000 54-Mbps 802.11g 56K
Ports and Interfaces Parallel Serial USB Firewire	Apple	One FireWire 400 (IEEE 1394a) port at up to 400 Mbps Two USB 2.0 ports at up to 480 Mbps	400-Mbps Up to 480Mbps
USB Memory Key	Generic	USB 2.0	128MB
Keyboard	Apple	Built-in full-size keyboard with 78 keys	
Mouse/Integrated pointer	Apple	Solid-state trackpad	Includes Apple Pro 1 Button Mouse
Power Supply	Apple		85WPower adapter with cable management system 60-watt-hour lithium-ion battery

ODIN Attachment R

Item	Mfg /Type	Number/ Version	Size/ Speed
Sound Card Full or Half Duplex	Apple	Built-in stereo speakers with midrange-enhancing third speaker	
Speaker(s)	Apple	built-in stereo speakers	2
Headset/Microphone	Apple	Audio line in (mini-jack) Headphone out (mini- jack) Internal omni-directional microphone	
Carry Case	Targus	Nylon carrying Case	

Section 1.27

Section 1.28

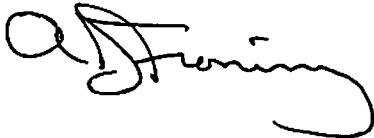
Section 1.29

Section 1.30 Memory Module Configuration

Item	Mfg / # Slots	Quantity	MB (Total)	Speed	Type
RAM	Apple	1	1.0GB*	667Mhz	DDR2
Cache	Apple	1	2.0MB	667MHz	L2 ECC
Video RAM	ATI	1	256MB		GDDR3

* Tested with 512MB RAM.

I hereby certify the rating listed above as the official Alterion Performance Profile Ranking, based upon the July 3rd, 2006 Market Survey. This rating is valid until October 1, 2006.



Andrew J Froning
Section 1.31 Director of Operations